SUB-PROJECT:
EVALUATION OF ALTERNATE CANISTERS

TEAM MEMBERS:

**DICK BLANEY; PETE DIRKMAAT; DINESH GUPTA;
CHARLES FORSBERG;PAUL HARRINGTON; TOM HILL;
JIM LINHART; DAVE MEREDITH;MARK SENDERLING**

CONSIDERATIONS IN EVALUATING ALTERNATE CANISTERS

- **POSSIBLY FIND A LESS EXPENSIVE AND MORE EFFICIENT PACKAGING OPTION FOR DOE SNF**
- **REPOSITORY ACCEPTANCE**
- **OPERATIONAL SAFETY**
- **SECURITY CONSIDERATIONS**
- **PROGRAMMATIC AND TECHNICAL RISK**
- **NEPA IMPACTS**

OPTIONS EVALUATED:

- **LESS EXPENSIVE DOE SNF STANDARDIZED CANISTERS**
- **CERMET CASK**
- **LARGE MPC - NAVAL PROGRAM CONCEPT**
- **LOADING WP AT EM SITES**
- **USING MCOs**
- **USING DOE SNF STANDARDIZED CANISTERS FOR REMAINING N-REACTOR SNF**
- **LARGE MPC TO BE INSERTED INTO ALLOY-22 SLEEVE**

CONCLUSIONS

- **ALTHOUGH THE SUB-PROJECT TEAM DID NOT COMPLETE A FINAL EVALUATION OF ALL THE ALTERNATIVES UNDER CONSIDERATION, IT WAS NOT OBVIOUS THAT THERE IS AN ALTERNATIVE THAT WOULD BE CONSIDERED BETTER THAN THE CURRENT BASELINE.**

- **THE TEAM CONCLUDED SEVERAL OF THE ALTERNATIVES DID NOT WARRANT FURTHER CONSIDERATION:**
  - **LOADING WP AT EM SITES;**
  - **USING MCOs**
  - **USING STANDARDIZED CANISTERS FOR REMAINING N-REACTOR SNF**
  - **LARGE MPC TO BE INSERTED INTO ALLOY-22 SLEEVE**

CONCLUSIONS (contd.)

- **CURRENT SCHEDULE FOR SUBMITTING LICENSE APPLICATION IN DECEMBER 2004 WILL NOT ACCOMMODATE NEEDED ANALYSES FOR USING ALTERNATE CANISTERS BEFORE THE LA SUBMITTAL.**

- **A LICENSE AMENDMENT FOR POSSIBLE USE OF ALTERNATE CANISTERS MAY COST $10 M OR MORE. THIS WILL TAKE A LARGE BITE OUT OF ANY POTENTIAL SAVINGS ENVISIONED BY USING LESS EXPENSIVE ALTERNATIVE.**